

**A1**

NTWL	508mRL
Dam height	70m
Capacity	20x10 <sup>6</sup> m <sup>3</sup>
Service area	5000Ha

**A5**

NTWL	240mRL
Dam height	3m
Capacity	16x10 <sup>6</sup> m <sup>3</sup>
Service area	4000Ha

Pump inflill to A1  
(200kW for 20x10<sup>6</sup>m<sup>3</sup>,  
900kW for 30x10<sup>6</sup>m<sup>3</sup>)

Race at  
±520mRL

Race at  
±300mRL

Gravity supply ex  
storage A1 to Zone B  
areas below ±260mRL  
(±3750Ha)

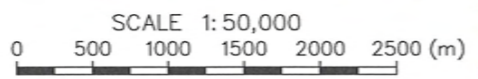
Race at  
±265mRL

Pump to areas above  
±200mRL east of SH50  
(200kW, ±1000Ha)

Gravity supply to areas  
below ±200mRL  
(±3000Ha)

**LEGEND**

- (D1) Storage
- Gravity River Intake
- Pumped River Intake
- Pump Station
- Canal for storage inflill
- Pipe line for storage inflill
- Indicative supply trunk network (piped)



**Tonkin & Taylor**  
Environmental & Engineering Consultants

DRAWN	JATG	May.09
DRAFTING CHECKED		
APPROVED		
CADFILE	259 16-F6.1.dwg	
SCALES (AT A3 SIZE)	1: 50,000	
PROJECT No.	259 16	

Hamilton    Auckland    Christchurch  
 Nelson    Wellington    Whangarei

**HAWKES BAY REGIONAL COUNCIL**  
 PREFEASIBILITY STUDY OF WATER AUGMENTATION  
 OPPORTUNITIES – RUATANIWHA PLAINS  
 Zone A Storages and Arrangements

FIG. No. **Figure 6.1**      REV. **0**